

REMARKS

Claims 1-18 are pending in this application. Claims 1-18 have been amended.

The Applicant thanks the Examiner for accepting the terminal disclaimer previously submitted. The Applicant also thanks the Examiner and her supervisor for conducting a personal interview with the Applicant and his representatives on September 12, 2006. During that interview, the participants discussed the differences between the claimed subject matter and the cited references (Koizumi and Aho), and proposed claim language that would clarify those differences. In this Response, the Applicant reiterates the arguments and positions set forth during the interview, and amends the claims to incorporate the proposed claim language.

At paragraph 11, the Examiner rejects claims 1-4 and 7-18 under 35 USC §102(b) as being anticipated by U.S. Patent No. 5,586,323 (Koizumi). Independent claims 1 and 16-18 have been amended to remove references to “abstract registers,” and to recite a clear link between the register objects in the intermediate representative and the registers referred to by the register-based program code. Dependent claims 2-15 have been amended to be consistent with the amended independent claim 1.

Further, the amended claims make clear that the function of the expression objects is to represent the operators and operands of the program code.

Also, claim 1 makes clear the relationship between the register objects and expression objects by specifically stating that they are arranged in a network of the recited form. This reference to a “network” has been introduced into claim 1 for consistency with the “network” of original claim 16. See, for example, Figures 1 through 5, which clearly show a network of register of objects and expressions.

The Applicant believes that these clarifying amendments distinguish the claimed subject matter over the cited prior art of Koizumi. Koizumi does not generate “an intermediate representation of a register-based program code which refers to a set of registers.” The input code in Koizumi is a high level programming language such as C++. Further, Koizumi does not teach generating register objects and expression objects in forming a network of these objects as

recited in the independent claims. Koizumi does not anticipate claims 1-18, as amended. Those rejections should therefore be withdrawn.

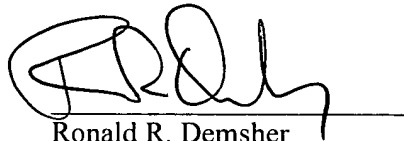
At paragraph 13, the Examiner rejects claims 5 and 6 under 35 USC §103(a) as being unpatentable over U.S. Patent No. 5,586,323 (Koizumi) in view of Aho. As set forth above, amended claim 1, from which claims 5 and 6 depend, now recites limitations not taught or suggested by Koizumi. Aho does not supply that which is missing from Koizumi, so the 35 USC §103(a) rejections of claims 5 and 6, as amended, should be withdrawn.

The pending Office Action was mailed on September 25, 2006, so the statutory period for response expires on December 25, 2006. Accordingly, Applicant respectfully submits that this response is being timely filed.

In view of the above amendment, applicant believes the pending application is in condition for allowance. No other fees are believed to be due in connection with the filing of this response, however the Commissioner is authorized to debit Deposit Account No. 08-0219 for any required fee necessary to maintain the pendency of this application.

Respectfully submitted,

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Ronald R. Demsher
Registration No.: 42,478
Attorney for Applicant(s)

Wilmer Cutler Pickering Hale and Dorr LLP
60 State Street
Boston, Massachusetts 02109
(617) 526-6000 (telephone)
(617) 526-5000 (facsimile)